

REMARKS/ARGUMENTS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the amendments and remarks herewith, which place the application into condition for allowance. The present amendment is being made to facilitate prosecution of the application.

I. STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 1-24 are currently pending. Claims 1, 7, 13, 19 and 24 are independent and are hereby amended. No new matter has been introduced. Support for this amendment is provided throughout the Specification as originally filed.

Changes to the claims are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicants are entitled.

II. INTERVIEW SUMMARY

Applicant thanks the Examiner for granting the telephone interview of June 7, 2007. Applicant proposed claim language to distinguish the present invention over the Hylton reference. In particular, Applicant proposed claim language to clarify that the display device can receive and demodulate only the transmitted radio signal destined therefor from among all transmitted signals from the channel selection apparatus. No agreement was reached on claim language to distinguish the present invention over the cited references.

III. REJECTIONS UNDER 35 U.S.C. §102

Claims 13-18 were rejected under 35 U.S.C. §102 as allegedly anticipated by U.S. Patent No. 5,708,961 to Hylton et al. (hereinafter, merely Hylton).

Applicants respectfully traverse this rejection.

Independent claim 1 is representative and recites, *inter alia*:

“wherein the display apparatus can receive and demodulate only the transmitted signal destined therefor from among all transmitted signals from the channel selection apparatus so the demodulated signal can be provided to a user.” (emphasis added)

As understood by the Applicants, Hylton discloses each set-top terminal (100) requests an individual selected program. The remote program selectors extract each of the individual selected programs from the broadcast stream and multiplex the desired programs for broadcast to the set-top terminals (100). Each set-top terminal (100) in Hylton can then demodulate the broadcast signal to extract the respective individual selected program. However, each set-top terminal could also select the individual selected program that another set-top terminal selected. That is, the set-top box can be tuned and can, therefore, demodulate the broadcast signal to extract not only its respective individual selected program but a program selected by another set-top terminal (100). That is, each set-top terminal (100) in Hylton has a Transport Interface Module (TIM) (101) that includes a tuner 201, 210 (and others). Col. 8, lines 1-5 and FIG. 1.

In contrast, claim 13 recites, “wherein the display apparatus can receive and demodulate only the transmitted signal destined therefor from among all transmitted signals from the channel selection apparatus so the demodulated signal can be provided to a user .” In an aspect of the present invention, the display apparatus (4), (5) and (6) receives and demodulates only respective

radio signals transmitted from the channel selection apparatus destined for the display apparatus so that the demodulated signal can be provided to the user. In this embodiment, the present invention does not have a variable tuner. That is, the display apparatus can only receive a demodulate a signal transmitted by the channel selection apparatus that was destined for the particular display apparatus, no other.

This above discussed feature is distinguishable from Hylton wherein TV 103 has no demodulator but receives a demodulated signal from the set-top box that can demodulate any signal that is multiplexed in the broadcast signal.

That is, Hylton TV 103 (without a set-top box including TIM 101) can not correspond to display apparatus (4, 5, 6) of the present invention because TV103 can not demodulate any signals, it is merely a display. It is the set-top box of Hylton that does the demodulating because the set-top box 100 includes a TIM 101 that includes a tuner 201, 210 (and other elements).

Moreover, if the set-top box is assumed to be part of the Hylton display apparatus (corresponding to the present application's recited display apparatus), then Hylton's display apparatus can be tuned to demodulate any of the received broadcast signals that are multiplexed with all the requested programs. Col. 18, lines 12-65 and FIG. 5. That is, in Hylton each user can display any one of the signals multiplexed in the signal broadcast by the channel selectors by adjusting the tuner on the set-top box. Whereas, in an embodiment of the present invention, the display apparatus can "receive and demodulate only the transmitted signal destined therefor from among all transmitted signals." Claim 13.

The alleged display apparatus TV 103 (without the set-top box) of Hylton has no demodulation capability. The present invention has been amended for the display apparatus to recite, “receive and demodulate [a broadcast signal].” That is, if the Hylton set-top box is part of the display device, then it must be accepted that the set-top box can use the tuners therein to demodulate signals destined for other TVs 103. And, conversely, if Hylton’s display device does not include the set-top box, then the device can not demodulate any signal whatsoever. Whereas, in an aspect of the present invention, the display apparatus (4, 5, 6) can receive and demodulate only the signals destined for that display apparatus, no other.

Claim 13, is believed patentable over Hylton because Hylton does not disclose each and every element recited in the claim.

Claims 14-18 depend from claim 13 are believed patentable for at least the same reasons.

IV. REJECTIONS UNDER 35 U.S.C. §103

Claims 1-12 and 19-24 were rejected under 35 U.S.C. §103(a) as allegedly unpatentable over U.S. Patent No. Hylton in view of U.S. Patent No. 6,072,994 to Phillips et al. (hereinafter, merely “Phillips”). Applicants respectfully traverse this rejection.

Claim 1, as amended, is representative and recites, *inter alia*:

“A television reception system, comprising:

...

wherein each display apparatus can receive and demodulate only the transmitted signal destined therefor from among all transmitted signals from the channel selection apparatus so the demodulated signal can be provided to the user.”

As discussed above, the selection apparatus of Hylton multiplexes selected signals that are multiplexed into a single signal that is then broadcast to all the display devices. The multiplexed signals are limited to the selected signals that are subsequently demodulated by each transceiver (21). Col. 8, lines 35-45. The set-top boxes of Hylton demodulate a multiplexed signal. That is, the set-top boxes of Hylton are each configured to receive the multiplexed signal that contains all of the broadcast signals for all of the display devices. Hylton demodulates the broadcast signal in the set-top box for display device of a program on the display device.

In contrast, claim 1, as amended, recites, “wherein each display apparatus can receive and demodulate only the transmitted signal destined therefor from among all transmitted signals from the channel selection apparatus so the demodulated signal can be provided to the user.” The channel selection apparatus transmits signals of different contents individually to the display apparatus (4), (5) and (6). As discussed above, the display apparatus (4), (5) and (6) are configured so that each display apparatus can receive and demodulate only the transmitted signal destined therefor from among all transmitted signals from the channel selection apparatus so the demodulated signal can be provided to the user. Published Application par. [0202], [215] and [216]. This element is distinguishable from Hylton in which the display device does not include a demodulator. As discussed above in more detail, in Hylton a set-top box has a tuner that can demodulate the multiplexed signal and extract therefrom a signal not selected by the respective TV 103. That is, the Hylton system is configured so that a set-top box demodulates a program from a multiplexed signal. The demodulated signal is received by the TV that displays the demodulated program. That is, the TV of Hylton does not include a demodulator but the Hylton

system uses a set-top box that includes a tuner that can demodulate any one of the signals included in the multiplexed broadcast signal.

Phillips does not add the elements missing from Hylton as discussed herein above.

Thus, claim 1 is patentable over the Hylton and Phillips references because those references taken alone or in combination do not teach or suggest each and every limitation recited in the claim.

For reasons similar or somewhat similar to those described above with regard to independent claim 1, independent claims 7 and 19 are also believed to be patentable.

V. DEPENDENT CLAIMS

The other claims are dependent from one of the claims discussed above and are therefore believed patentable for at least the same reasons. Because each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

CONCLUSION


Claims 1-24 are in condition for allowance. In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited reference, or references, it is respectfully requested that the Examiner specifically indicate those portions of the reference, or references, providing the basis for a contrary view.

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In view of the foregoing amendments and remarks, it is believed that all of the claims in this application are patentable and Applicants respectfully request early passage to issue of the present application.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicants



By: _____

Paul A. Levy
Reg. No. 45,748
(212) 588-0800